

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0003	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard Maintenance Area 0003	A	5.19						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Interior Drainage & Piping Systems</i>								
Sluice / Slide Gates	0.01		0.01	0.19%				
<i>LMA Totals:</i>	0.01	0.00	0.01	0.19%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
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LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0003

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0003

Waterway			Bank	Unit Miles
Unit No. 01 Feather River			Right	5.19
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/27/2012 - 03/27/2012		11/27/2012 - 11/27/2012	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2012

Sutter Maintenance Yard Maintenance Area 0003

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Feather River					Right	5.19	11/27/2012 11/27/2012	Clay Thomas	

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		°	°	2
DWR ID: DWR_MA0003_01_s_2012_2										
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		°	°	3
DWR ID: DWR_MA0003_01_s_2012_3										
3			Earthen Levee	Flood Preparedness & Training	WS	A Ma		°	°	4
DWR ID: DWR_MA0003_01_s_2012_4										
4	0.08	5.17	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.897985 ° -121.616231 °	38.950897 ° -121.585767 °	1 Y
DWR ID: DWR_MA0003_01_f_2012_1										
5	0.08	5.17	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.897984 ° -121.616231 °	38.950897 ° -121.585767 °	6 Y
DWR ID: DWR_MA0003_01_f_2012_6										
6	0.80	0.80	Interior Drainage & Piping Systems	Sluice / Slide Gates	LS	M Ma	Inspector Comments: This pipe leaked during the high water event of 2010/2011.	38.903291 ° -121.605747 °	38.903291 ° -121.605747 °	5 Y
DWR ID: DWR_MA0003_01_s_2012_5										
7	1.72	1.85	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.906503 ° -121.591216 °	38.907690 ° -121.589415 °	118
DWR ID: DWR_MA0003_01_s_2012_118										
8	2.29	2.42	Earthen Levee	Slope Stability	WSA/W	Ob	S1 : Repair slope instability. Inspector Comments: Material movement on the waterside slope. The LMA should investigate the matter further.	38.912960 ° -121.585220 °	38.914582 ° -121.584106 °	119 Y
DWR ID: DWR_MA0003_01_s_2012_119										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Levee Inspection Report By Mile - Fall 2012

Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	5.19	11/27/2012 11/27/2012	Clay Thomas

Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	5.17
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.05, the landside slope.

cathom_f_20121129_301.JPG



Levee Mile Report Line	5
Start Levee Mile	0.08
End Levee Mile	5.17
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.05, the waterside slope.

cathom_f_20121129_302.JPG



Levee Mile Report Line	6
Start Levee Mile	0.80
End Levee Mile	0.80
Location	Land Side
Category	Interior Drainage & Piping Systems
Item	Sluice / Slide Gates

Levee mile 0.80, this photo is looking at the landside toe, one of these pipes leaked during the high water event of 2010/2011. A flap gate prevents flow from the waterward side to the landward side of the levee.

cathom_f_20120912_004.jpg



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Unit No. 01 Feather River	Right	5.19	11/27/2012 11/27/2012	Clay Thomas

Levee Mile Report Line	8
Start Levee Mile	2.29
End Levee Mile	2.42
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

This photo is the waterside slope looking downstream at levee mile 2.29.

cathom_f_20120912_005.jpg



Levee Mile Report Line	8
Start Levee Mile	2.29
End Levee Mile	2.42
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

This photo is the waterside slope looking upstream.

cathom_f_20120912_006.jpg



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